





NATIONAL CONFERENCE of STATE LEGISLATURES

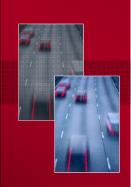
The Forum for America's Ideas

### Distracted Driving: Summary of NCSL's Activities

- Spring 2001 Driver Focus and Technology Forum
- March 2002 NCSL report, *Along for the Ride,* released. Provides summary of forum meetings and makes policy recommendations.

At the time, New York was the only state with a hands-free law. Arizona and Massachusetts had laws targeting school bus drivers.

NCSL continues to track state legislative activity and provide state legislatures resources on distracted driving.

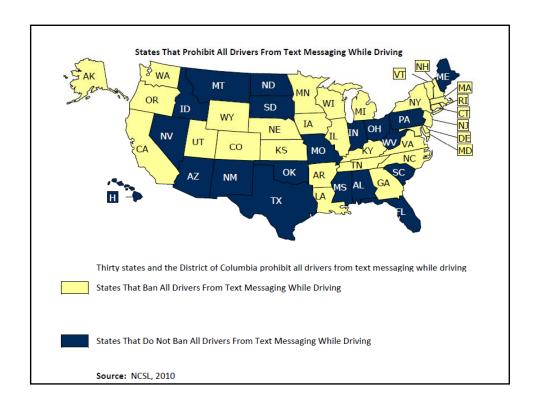


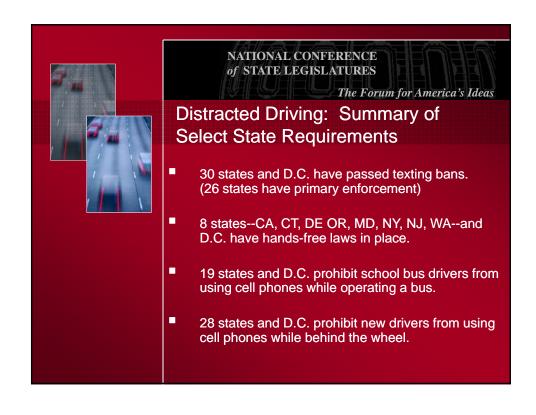
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The Forum for America's Ideas

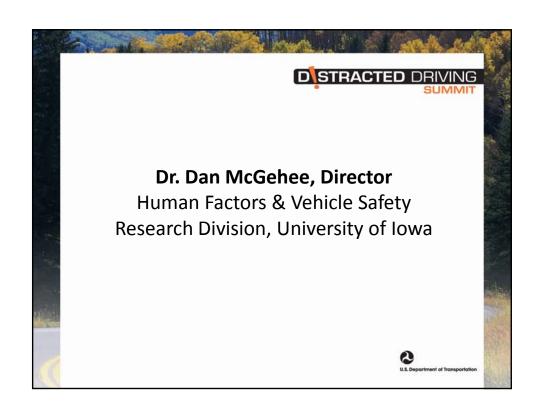
## Distracted Driving: Summary of State Legislative Activity

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Year	Number of states that considered legislation	Number of bills introduced	Number of states that enacted laws	Comments
2001	43	140	8	Most required studies
2007	44	130	12	Washington became the first state to adopt a texting ban
2008	33	131	7	
2009	25	222	17	
2010	43	270+	25	30 states and D.C. have passed texting bans

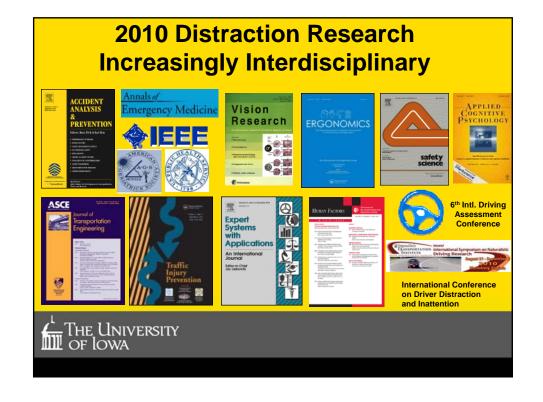




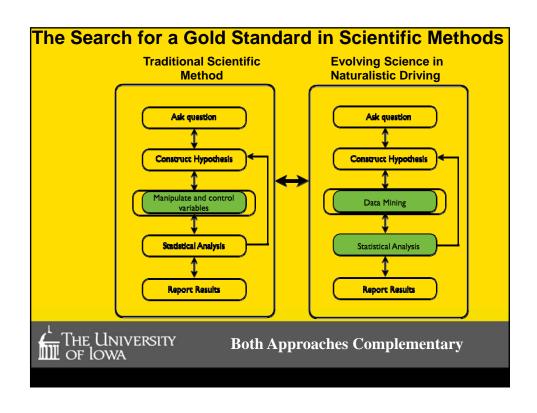














- Social facebook communication 🕒 Blogger
- Interface differences



research platforms Mitigation technologies

Task Analyses

Data collection

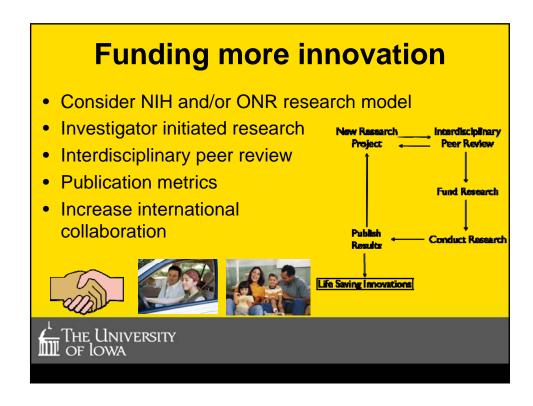
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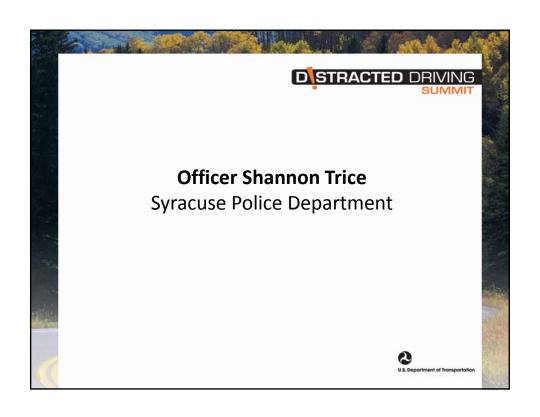
Driver strategy in mobile phone use

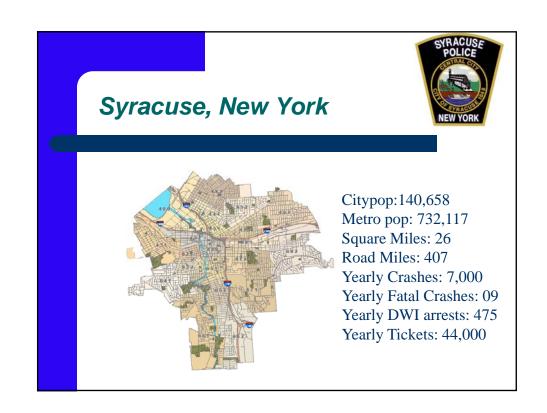
Cognitive and Physical

- Individual differences
  - Anticipating trends





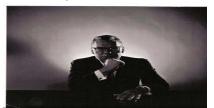






### **Goal Oriented Enforcement**

- The Strangest Secret
- Approach Comparison
  - City: 4.2 tickets per hour/2.1 cell tickets per hour
  - Sheriff: 1.8 tickets per hour/1.2 cell tickets per hour
  - State: 1.5 tickets per hour/.8 cell tickets per hour



### **Enforcement Strategies**



- Roadside watching
- Mobile patrol
- Checkpoint
- Looking down from on high
- Enforcement Vehicles
- Pairing offenses



Owen Feltham

"The greatest results in life are usually obtained by simple means and the exercise of ordinary qualities."



### **Know Your Indicators**

- Eye on the driver
- Phone to ear/steering wheel
- Driver's eyes
- DWI driving cues
  - Maintaining lane position
  - Speed and braking problems
  - Vigilance problems
  - Judgment problems

**Shannon Trice** 

"Behavior never lies!"

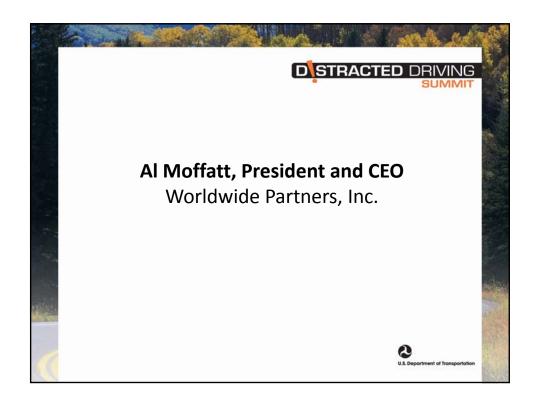
# Know Your Roads Volume, Volume Business Districts Easy Entrance Camouflaged

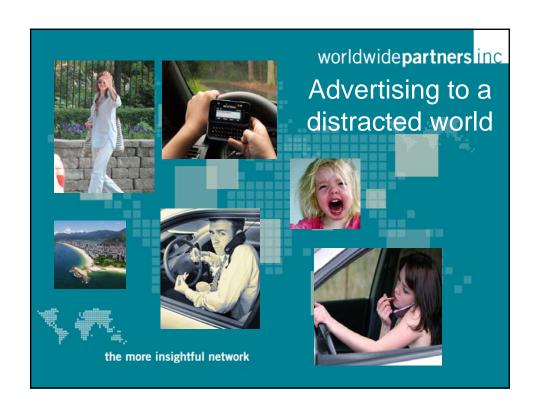


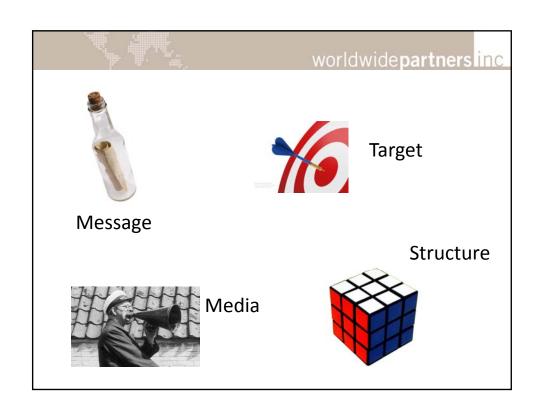
### **Summary**

The most effective way to influence others is to demonstrate the desired behavior on a consistent basis.

We need to inspire people to follow our advice and example because there is a payoff in the form of improved performance and effectiveness.











### worldwidepartners inc

### What Is The Media?

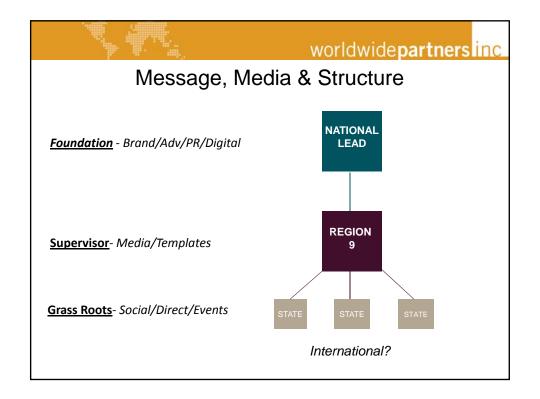
Advertising = Emotional Messenger

PR = Credibility Builder

Digital/Social = Connector & Buzz

• *Direct Marketing* = Action

Events = Relationships





### Earned Media: The Basics

- Earned media is getting the news media to cover your story and your message on your terms
- All coverage is not equal there is good coverage and bad coverage
- Earned media is not free you have to work for it







### **Generating Attention**

- News conferences
- Media briefings
- One-on-one meetings
- Editorial board meetings
- Gimmicks/Theater
- A good spokesperson
- Power of a good story
- User generated content and PSAs



### **Sustaining Coverage**

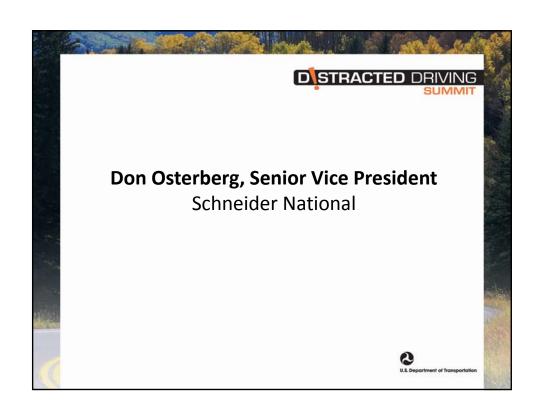
- Commit to a year-round plan
- Develop a plan that includes multiple activities, techniques, events, and channels
- Employ a rhythm peaks and valleys
- Put a new top on your story or develop new angles
- Attach to other news hooks, such as key spokespeople speaking at high-profile events



# Distracted Driving: What Works to Get Ongoing Attention

- Science release new research; repurpose old
- Surveys
- Demonstrations
- Media ride-alongs with law enforcement
- Real stories/VIP experiences
- Emerging technology
- Celebrities







### **Topics:**

- Evolution of Schneider National's policies on distracted driving...
- Impact of active policies on driver behavior:
  - Challenges with policy enforcement
- Beliefs and the effect on habits and behaviors
- Schneider's affirmation process to imprint new beliefs...
- Looking Ahead...What's needed?

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CHNEIDER NATIONAL				
Schneider's Distracted Driving Evolution				
1935	Safety core value established"Nothing we do is worth hurting ourselves or others" Al Schneider			
2003	Developed a policy prohibiting cell phone use while driving			
2005	Blanked visibility to in-cab communications technology when the vehicle is in motion			
2006	Shifted from behavior-based safety management to belief-based safety leadership			
2007	Trained all associates on the risks of distracted drivingcreated a "want-to" versus a "have-to" approach			
2009	Upgraded distracted driving to an "serious" violation, subject to immediate termination More active / direct approach			
2010	New in-cab technology with text-to-voice communications			
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### The Effectiveness of Company Distracted Driving Policies

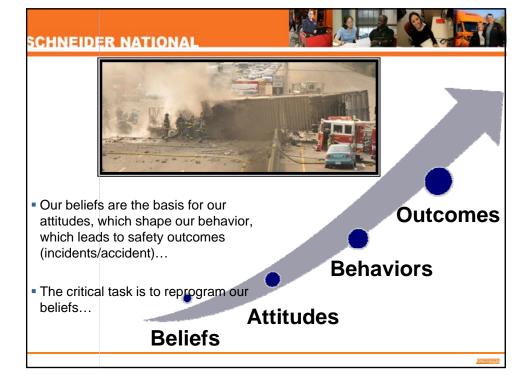
- Company policies against distracted driving are a significant deterrent to driver distraction and improves safety performance...
- "Commercial truck and bus drivers are far less likely to use their cell phone while driving under a fleet cell phone policy" [Conclusions from Virginia Tech Transportation Institute study...Title: Distraction in Commercial Trucks and Buses: Assessing Prevalence and Risk in Conjunction with Crashes and Near-Crashes]
- Policy enforcement is everyone's obligation:
  - Driver managers will NEVER call a driver on their cell phone if the truck is moving...
  - Driver cell phone #s are not kept in database accessible by customer service representatives...
  - If driver recruiters receive a call from a perspective driver on their cell phone, they ask them to find a safe place to park and call back...setting the expectation early on...

March 17, 2010

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### SCHNEIDER NATIONAL



# Safety Affirmation...Reinforcing the behavior we want, versus what we don't...



"Because I am a disciplined, safety-conscious professional, I lead-by-example and maintain constant situational awareness while driving."



Signed

March 17, 2010

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### SCHNEIDER NATIONAL



### What's Required:

- Technology to detect and report cell phone use while driving...
  - Integrated with other critical events recorded in the truck (hard braking, roll stability activations, speeding, etc.)
- Increased enforcement
- Broader education...make it personal...
- Create a national culture of safety...

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### **Exemplary Design & Integration For** The Driver & Driving Environment **Positive Example**: Voice-Based Navigation & Route Guidance System adheres to Alliance Driver Focus Guidelines System is designed to support the driver in keeping eyes on road, attention forward on traffic /route, and hands-on-wheel System <u>verified</u> through testing for use in driving environment Where can OnStar OnStar take you today? 447 Kerby Street, in Creston, Michigan Okay, your route has been calculated and your voiced instructions will begin in a moment.

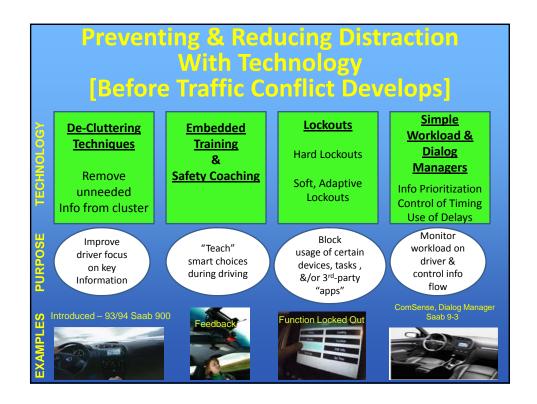
# Inadequate Integration of Technology With The Driver & Driving Tasks

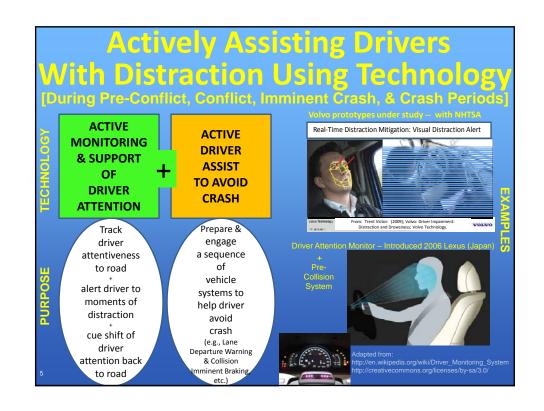
• Example of Incomplete/Unsuitable Integration:

Handheld
Carried-In Device
Showing Video
Requiring
Two Handed Operation
And Continuous Gaze
Away From Road at
Tiny Screen



- Device not designed specifically for use while driving
- Does not adhere to industry guidelines limiting distraction
- Device not designed to support driver's need to keep eyes and mind on road – or hands on wheel
- Device usage while driving not tested during development





### Steps For Harnessing Technology

### Work is needed to:

- Support development of technology solutions to prevent distraction
  - Encourage innovation, development
  - Evaluate technology solutions carefully to find those that are effective
  - Optimize them to deliver benefits & to minimize/eliminate unintended consequences
  - Incentivize deployment
- 2. Integrate technology effectively with the driver and driving task
  - Assure that <u>the driver interface</u> for information and telematics systems MINIMIZES distraction
    - » Shared guidelines
  - Assure that <u>new</u> <u>technologies</u> for assisting drivers are properly integrated
    - » To prevent/reduce distraction & assist in crash avoidance
    - » To support driver supervisory attention
  - Engage <u>all</u> parties --including <u>and beyond</u> automobile manufacturers (portable device manufacturers, 'apps' developers, network providers)
- Educate drivers to make <u>smart choices</u> in choosing and using technology – and to create a safety culture -- because even the best technologies can only be a partner with <u>responsible</u> drivers toward safe outcomes



# State Progress on Distracted Driving

- Since January, 12 states have enacted text messaging bans
- GHSA expects that nearly all states will ban text messaging in the next two years
  - NHTSA model law
  - FY 2011 appropriations earmark for texting bans
- At least 27 states have included distracted driving as a priority emphasis area in their Strategic Highway Safety Plans
- As states updates those plans, more can be expected to add distraction as an key emphasis area

# State Distracted Driving Data Collection

- 43 states collect data on distraction up from 17 in 2003
- Of those, 34 states collect data that is consistent with the Model Minimum Uniform Crash Criteria (MMUCC) Guideline
- The distraction data element will be updated and expanded next year, final publication in 2012

### Driver Education and Licensing

- 23 states have driver education materials on teen driver distraction
- 32 states have sections in their drivers manual on distraction and another 21 discuss the dangers of at least one type of distraction
- 17 states and DC have at least one question on the driver license exam on distraction



### Education, Employer Programs

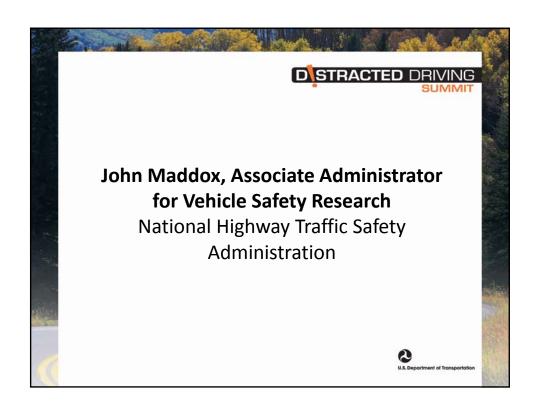
- 41 states are addressing distraction through public education efforts including social media
- 35 states working with other state agencies or private entities to address distraction
- 16 states are working with employers on distraction issues

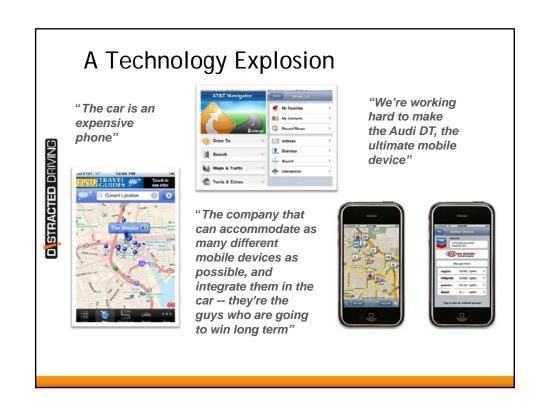
### State Examples

- In the upcoming year, CA expects to spend \$2.7 million in Section 402 funding for a multi-prong DD effort
- MN is partnering with the Governor's office to have a "Distraction Free Driving Day" with increased enforcement, advertising
- In NJ, approx. 10,000 tickets written each month for hand-held cell phone and texting violations
- In MI, an "Thumbs on the Wheel" Campaign was launched
- Other states will roll out campaigns when their new texting/cell phone laws take effect

### **Bottom Line**

- A lot of activity at the state level
- More states can be expected to enact legislation
- Much more research is needed to determine whether any of these countermeasures reduce distraction or have an impact on crashes, fatalities and injuries







### Since the Last Summit

### Driver Behavior

- Pilot Test of Low Cost Driver Behavior System FMCSA
- Evaluate laws and high-visibility enforcement NHTSA
- · Draft and publish sample law for use by states NHTSA

### Improved Data Collection

- NOPUS cell phone study NHTSA
- · Improved police reporting NHTSA



### **Current DOT Research**

### Naturalistic Driving Studies

- SHRP II FHWA/NHTSA/FMCSA
- Merge roadway data with vehicle/ driving data - FHWA
- Small Scale Naturalistic Driving Study - NHTSA
- 270 Truck Naturalistic Study FMCSA



### • Driver Support Systems

- Improve crash warning interfaces NHTSA
- · Assess distraction monitoring systems NHTSA

### **Current DOT Research**

### Guidance to Vehicle Manufacturers

Develop metrics and visual-manual guidelines - NHTSA

### • Human Factors for IntelliDrive<sup>SM</sup>

- NHTSA, RITA, FHWA, FMCSA, FTA
- Develop guidelines to ensure IntelliDrive interfaces are effective without increasing distraction

### Digital Billboard

 Evaluate distractions from outside of the vehicle - FHWA



# DISTRACTED DRIN



### Looking ahead

### • Research Needs Moving Forward

- What additional analysis can be done on the naturalistic data already collected?
- What is "True Hands-Free"?
- What is the best metric for measuring distraction?
- How can Cognitive Distraction be measured in real world driving situations?
- Other ideas...



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